



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

January 24, 2020

Glenda Haage  
Agent for Helena Agri Enterprises, LLC  
d/b/a Helena Chemical Company  
c/o GHB Consulting  
1660 3rd Ave SW  
LeMars, Iowa 51031

Subject: Notification per PRN 98-10 – Update company information and add new  
warranty statement to label  
Product Name: Paraquat Manufacturing Concentrate  
EPA Registration Number: 5905-633  
Application Date: October 08, 2019  
Decision Number: 557461

Dear Ms. Haage:

The Agency is in receipt of your Application for Pesticide Notification under Pesticide Registration Notice (PRN) 98-10 for the above referenced product. The Registration Division (RD) has conducted a review of this request for its applicability under PRN 98-10 and finds that the action requested falls within the scope of PRN 98-10.

The label submitted with the application has been stamped "Notification" and will be placed in our records.

Should you wish to add/retain a reference to the company's website on your label, then please be aware that the website becomes labeling under the Federal Insecticide Fungicide and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA's Office of Enforcement and Compliance.

If you have any questions, please contact Theresa Gerber at 703-347-8583 or by email at [gerber.theresa@epa.gov](mailto:gerber.theresa@epa.gov).

Sincerely,

A handwritten signature in blue ink that reads "Emily Schmid".

Emily Schmid, Product Manager 25  
Herbicide Branch  
Registration Division (7505P)  
Office of Pesticide Programs

## Paraquat Manufacturing Concentrate

For Formulation of Paraquat Herbicide Products Only

Active Ingredient:

Paraquat dichloride (1,1'-dimethyl-4,4'-bipyridinium dichloride)..... 47.1%

Other Ingredients: 52.9%

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Total: 100.0%

Paraquat Technical Concentrate contains 3.22 pounds paraquat cation per gallon as 4.45 pounds salt per gallon.

Contains emetic.

**KEEP OUT OF REACH OF CHILDREN**



**DANGER / POISON**  
**PELIGRO / VENENO**

### NOTIFICATION

5905-633

The applicant has certified that no changes, other than those reported to the Agency have been made to the labeling. The Agency acknowledges this notification by letter dated:

1/24/2020

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

- **NEVER PUT INTO FOOD, DRINK OR OTHER CONTAINERS.**
- **IF SWALLOWED, TAKE IMMEDIATE ACTION AS PRESCRIBED IN FIRSTAID SECTION. SYMPTOMS ARE PROLONGED AND PAINFUL.**

See additional precautionary statements and directions for use on label.

#### Manufactured for:

Helena Agri-Enterprises, LLC  
225 Schilling Blvd., Suite 300  
Collierville, TN 38017

EPA Reg. No. 5905-633

EPA Est. No.

Net Contents:

<b>FIRST AID</b>	
<b>If swallowed</b>	<ul style="list-style-type: none"> <li>• SPEED IS ESSENTIAL. Immediate medical attention is required. If available, give an adsorbent such as activated charcoal, bentonite or Fuller's Earth.</li> <li>• Call a poison control center or doctor immediately for treatment advice.</li> <li>• Do not give anything by mouth to an unconscious person.</li> </ul>
<b>If inhaled</b>	<ul style="list-style-type: none"> <li>• Move person to fresh air.</li> <li>• The odor of this product is from the stenching agent, which has been added, not from the paraquat.</li> <li>• If person is not breathing, call 911 or an ambulance.</li> <li>• Call a poison control center or doctor for further treatment advice.</li> </ul>
<b>If in eyes</b>	<ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>If on skin or clothing</b>	<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<p align="center"><b>NOTE TO PHYSICIAN</b></p> <p>Administer either activated charcoal (100g for adults or 2g/kg body weight for children) or Fuller's Earth (15% solution; 1 liter for adults or 15ml/kg body weight for children). NOTE: The use of gastric lavage without administration of an adsorbent has not shown any clinical benefit. Do not use supplemental oxygen. Eye splashes from concentrated material should be treated by an eye specialist after initial treatment. With the possibility of late onset corneal ulceration, it is advised that patients with paraquat eye injuries are reviewed by an eye specialist the day after first presentation. Use treatment that is appropriate for chemical burns. Intact skin is an effective barrier to paraquat, however contact with irritated or cut skin or repeated contact with intact skin may result in poisoning.</p>	
<p align="center">Have the product container or label with you when calling a poison control center or doctor, or going for treatment.</p>	
<p align="center"><b>HOT LINE NUMBER</b></p> <p>Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-424-9300 for emergency medical treatment information</p>	

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## PRECAUTIONARY STATEMENTS

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### Hazards to Humans and Domestic Animals



**DANGER / POISON**  
**PELIGRO / VENENO**

Fatal if inhaled. May be fatal if swallowed. Causes substantial but temporary eye injury. Harmful if absorbed through skin. Do not breathe vapor. Do not get in eyes or on clothing. Avoid contact with skin. Wear a NIOSH-approved filtering facepiece respirator with any N, R, or P filter (e.g., TC-84A), long-sleeved shirt, long pants, waterproof gloves, shoes plus socks, and protective eyewear. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove and wash contaminated clothing before reuse.

**IMPORTANT:** The effect from swallowing paraquat is far more severe than from skin contact or from inhalation. Inhalation is an unlikely route of exposure due to low vapor pressure, but mucosal irritation or nose bleeds may occur. Prolonged contact with this concentrated product can irritate your skin.

### ENVIRONMENTAL HAZARDS

**WILDLIFE:** This product is toxic to wildlife. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or public waters unless this product is specifically identified and addressed in a National Pollutant Discharge Elimination System (NPDES) permit. Do not discharge effluent containing this product to sewer systems without previously notifying the sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of EPA.

**PHYSICAL AND CHEMICAL HAZARDS:** This product reacts with aluminum to produce hydrogen gas which may form a highly combustible gas mixture. Do not mix or store in containers, tanks, or such systems made of aluminum or having aluminum fittings.

**EQUIPMENT/CONTAINER:** Flush all equipment with water after use each day. Paraquat is corrosive to aluminum. Aluminum equipment and aluminum structures that are exposed to solution or spillage should be flushed thoroughly with water immediately after use.

## **SPILLAGE DURING TRANSPORT**

**Emergency action:** Notify police and fire departments immediately.

KEEP PUBLIC AND ANIMALS away from area. MARK ROADS AND WARN OTHER ROAD USERS. WEAR face shield, waterproof gloves, waterproof footwear, and long-sleeve shirt and long pants during decontamination operations.

Clean up spills as soon as possible. Cover spill with generous amount of clay or loam soil to absorb liquid, using a stiff broom to ensure intimate contact. Sweep onto shovel and transfer to plastic bag or other disposable container. Repeat operations until contaminated surfaces are dry. Finally, hose spill site with water if feasible.

## **DIRECTIONS FOR USE**

It is a violation of Federal Law to use this in a manner inconsistent with its labeling.

Only for formulation into an herbicide for the following uses:

### **Terrestrial Food:**

Acerola; Alfalfa; Almonds; Apples; Apricots; Arracacha; Arrowroot; Artichoke, Chinese; Artichoke, Jerusalem; Asparagus; Atemoya; Avocados; Bananas/Plantains; Barley; Beans, dry; Beans (lima, snap); Beechnut; Biriba; Blackberries; Black sapote; Blueberries; Boysenberries; Brazil nut; Broccoli; Butternut; Cabbage; Cabbage, Chinese; Cacao; Calamondin; Canistel; Canna, edible; Carrots; Cashew; Cassava, bitter and sweet; Cauliflower; Cavalo broccolo; Chayote (fruit and root); Cherimoya; Cherries; Chestnut; Chiquapin; Chufa; Citron melon; Citrus citron; Clover and other Legumes; Coffee; Collards; Corn (pop, field, sweet, and seed); Cotton; Cucumber; Currant; Custard apple; Dasheen (taro); Easter Lilies; Eggplant; Elderberry; Endive (escarole); Fallow land; Feijoa; Figs; Filberts; Garlic; Gherkin; Ginger; Gooseberry; Gourd, edible; Grapefruit; Grapes; Groundcherry; Guar; Guava; Hops; Hickory nut; Huckleberry; Illama; Jaboticaba; Kiwi fruit; Kumquat; Lemon; Lentils; Leren; Lettuce; Lime; Loganberry; Longan; Lychee; Macadamia nut; Mamey sapote; Mandarin; Mandarin, Satsuma; Mango; Mint (peppermint and spearmint); *Momordica* spp.; Muskmelon; Nectarines; Okra; Olives; Onions; Orange (sour & sweet); Papayas; Passion Fruit; Pastures; Pawpaw; Peaches; Peanuts; Pears; Peas; Pecans; Pepino; Peppers; Persimmon; Pigeon peas; Pineapple; Pistachios; Plums; Pomegranate; Potato; Prunes; Pulasan; Pummelo; Pumpkin; Rambutan; Raspberries; Rice; Safflower; Sapodilla; Sorghum; Soursop; Soybeans; Spanish lime; Squash; Star apple; Starfruit; Strawberries; Sugar apple; Sugar beets; Sugarcane; Sunflower; Sweet corn; Sweet potato; Taniers; Tomatillo; Tomatoes; Turmeric; Turnips; Tyfon; Walnuts; Watermelon; Waxgourd, Chinese; Wax jambu; Wheat; White sapote; Yam bean; Yam, true

**Terrestrial Nonfood:** Conservation Compliance Lands; Conservation Reserve Lands; Federal Set-Aside Lands; Grasses grown for seed; Resin soaking (pines); Tree Plantation Establishment; Shade and ornamental trees such as arbovitae, ash, elm, fir, oak, pine, etc.

Uses for which USEPA has accepted the required data and/or citations of data that the formulator has submitted in support of registration; and

Uses for experimental purposes that are in compliance with USEPA requirements.

**STORAGE AND DISPOSAL**

Do not contaminate water, food, or feed by storage or disposal.

**PESTICIDE STORAGE:** Store at temperatures above 32°F. For help with any spill, leak, or fire involving this material, call your local dealer.

**PESTICIDE DISPOSAL:** Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste Representative at the nearest EPA Regional Office for guidance.

**CONTAINER HANDLING:** Refillable container. Refill this container with pesticide only. Do not reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the person refilling. To clean container before final disposal, empty the remaining contents from this container into formulation equipment. Fill the container about 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into formulation equipment or rinsate collection system. Repeat this rinsing procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or by other procedures approved by state and local authorities.

**CONTAINER IS NOT SAFE FOR FOOD, FEED OR DRINKING WATER.**

**CONDITIONS OF SALE - LIMITED WARRANTY  
AND LIMITATIONS OF LIABILITY AND REMEDIES**

Read the Conditions of Sale - Warranty and Limitations of Liability and Remedies before using this product. If the terms are not acceptable, return the product, unopened, and the full purchase price will be refunded.

The directions on this label are believed to be reliable and must be followed carefully. Insufficient control of pests and/or injury to the crop to which the product is applied may result from the occurrence of extraordinary or unusual weather conditions or the failure to follow the label directions or good application practices, all of which are beyond the control of Helena Agri-Enterprises, LLC or seller. In addition, failure to follow label directions may cause injury to crops, animals, man or the environment. The Helena Agri-Enterprises, LLC warrants that this product conforms to the chemical description on the label and is reasonably fit for the purpose referred to in the directions for use subject to the factors noted above which are beyond the control of the Helena Agri-Enterprises, LLC. To the extent consistent with applicable law, the Helena Agri-Enterprises, LLC makes no other warranties or representations of any kind; express or implied, concerning the product, including no implied warranty of merchantability or fitness for any particular purpose, and no such warranty shall be implied by law.

To the extent consistent with applicable law, the exclusive remedy against the Helena Agri-Enterprises, LLC for any cause of action relating to the handling or use of this product shall be limited to, at Helena Agri-Enterprises, LLC's election, one of the following:

1. Refund of the purchase price paid by buyer or user for product bought, or
2. Replacement of the product used

To the extent consistent with applicable law, the Helena Agri-Enterprises, LLC shall not be liable and any and all claims against the Helena Agri-Enterprises, LLC are waived for special, indirect, incidental, or consequential damages or expense of any nature, including, but not limited to, loss of profits or income. The Helena Agri-Enterprises, LLC and the seller offer this product and the buyer and user accept it, subject to the foregoing conditions of sale and limitation of warranty, liability and remedies.

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